

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1. (Cancelled)
2. (Cancelled)
3. (Cancelled)
4. (Cancelled)
5. (Cancelled)
6. (Original) A method for utilizing a Layer Peeling Technique to build a spiral inductor wideband equivalent circuit, said method comprising:
  - step 1: inputting a ultra-short impulse to a inductor;
  - step 2: measuring a reflective and a transmissive response of said impulse;
  - step 3: building a corresponding equivalent circuit model by said reflective and transmissive responses;
  - step 4: establishing and extracting impedances of a plurality of transmission lines;
  - step 5: transforming said impedance of said transmission line to LC equivalent circuit model;
  - step 6: combining parasitic equivalent circuit elements device and extracting parameters by comparing with said measurement;
  - step 7: concluding results of the steps depicted above.

7. (Currently Amended) The method according to claim 6, wherein said step 4 ~~could be~~ is simplified to merely comprise a signal path of a first reflection and a first transmission.

8. (Original) The method according to claim 6, wherein said LC equivalent circuit model is composed of n pieces of inductor  $L_n$  and capacitor  $C_n$ ;  $L_n = Z_n \times T_{pdn}$

$C_n = Y_n \times T_{pdn}$ , wherein  $Y_n = 1/Z_n$ ,  $T_{pdn}$  is transmission time of the nth transmission line.

9. (Cancelled)

10. (Cancelled)

11. (Cancelled)

12. (Cancelled)

13. (Cancelled)

14. (Cancelled)

15. (Cancelled)